

# Number: Proportions and Ratios

Name:

**Learning Intentions: (Use your asTTle results to help identify which level you are working at)**

**Highlight any learning which you can prove you have achieved in green, the ones you need to practise in pink and the ones you need to learn in yellow.**

Level 2	Level 3	Level 4
<ol style="list-style-type: none"> <li>name a fraction</li> <li>identify fractions</li> <li>find fractions of a shape</li> <li>find fractions of a set</li> <li>identify equivalent fractions</li> <li>identify fractions on a number line</li> <li>find fractions of lengths including when a fraction is more than one</li> <li>order fractions from smallest to biggest</li> <li>Solve simple story problems using fractions</li> </ol>	<ol style="list-style-type: none"> <li>find a fraction of an amount or set</li> <li>recognise equivalent fractions</li> <li>order fractions with different denominators</li> <li>turn improper fractions into mixed numbers and vice versa</li> <li>use fractions of a set to find whole sets</li> <li>round decimals to three decimal places</li> <li>read and order decimals to three decimal places</li> <li>find a decimal or percentage of an amount</li> <li>know the decimals and percentage conversions of simple fractions (halves, quarters, fifths, tenths)</li> <li>solve simple percentage of amount problems e.g 50% is fifty out of one hundred, 50% is one half so 50% of 18 is 9</li> <li>solve simple ratio problems</li> </ol>	<ol style="list-style-type: none"> <li>turn complex mixed numbers into improper fractions and vice versa</li> <li>estimate and solve problems with fractions</li> <li>match more complex equivalent fractions</li> <li>convert simple percentages to decimals and fractions and vice versa</li> <li>add and subtract fractions with the same denominator</li> <li>solve complex ratio problems</li> <li>use diagrams and materials to show ratios</li> <li>relate simple percentages as being out of 100</li> <li>find a fraction of another fraction</li> <li>find common denominators to of two different fractions to find equivalent fractions</li> <li>add and subtract mixed numbers when they have the same denominator</li> <li>use numbers to compare proportions to ratios</li> <li>work out percentages of simple amounts</li> </ol>

What new things do I need to learn? -Write those highlighted in YELLOW	What things do I need to practise? Write those highlighted in PINK

During your independent time write down which tasks you complete:

Monday 14th	Tuesday 15th	Wednesday 16th	Thursday 17th	Friday 18th
				Ag Day
Monday 21st	Tuesday 22nd	Wednesday 23rd	Thursday 24th	Friday 25th
Monday 28th	Tuesday 29th	Wednesday 30th	Thursday 31st	Friday 1st
Labour day				

	Fractions	Resource	Date
Easy	<u>Fractions powerpoint workshop</u> <a href="http://www.slideshare.net/sharpjacqui/fraction-workshop">http://www.slideshare.net/sharpjacqui/fraction-workshop</a>	PPT/Workshop	
Easy	<u>Ordering Fractions</u> Teacher resource- cards	Hands on activity/game	
Medium	<u>Identifying fractions</u> <a href="http://www.fuelthebrain.com/Game/play.php?ID=215">http://www.fuelthebrain.com/Game/play.php?ID=215</a>	Online activity	
Easy	<u>Finding fractions</u> FIO number L2/3 page 17 circle segments	Figure it out	
Easy	<u>Finding fractions</u> FIO number L2/3 page 18 Fabulous folding	Figure it out / hands on activity	
Easy	<u>Finding fractions</u> FIO number L2/3 19 Getting in shape	Figure it out / Hands on activity	

Easy	<u>Finding fractions</u> Funky fractions FIO book 2 Level 3 /4 page 12	Figure it out	
Medium	<u>Finding fractions</u> On the trail FIO book 2 Level 3 page 23	Figure it out	
Medium	<u>Finding fractions</u> Measuring up FIO Number book 2 L3/4 page 13	Figure it out	
Easy	<u>Fraction story problems</u> FIO number L2/3 page 21 Flitting with Fractions	Figure it out	
Medium	<u>Fraction story problems</u> FIO number book 2 level 3 page 22 Baffling braids	Figure it out	
Medium	<u>Ordering fractions</u> <a href="http://www.pearsonschool.com/live/images/custom/envisionmath_ca/games/hatchin.swf">http://www.pearsonschool.com/live/images/custom/envisionmath_ca/games/hatchin.swf</a>	Online activity	
Easy	<u>Parts of sets</u> FIO number L2/3 page 20 How many?	Figure it out	
Medium	<u>Finding fractions of a group</u> <a href="http://www.numbernut.com/advanced/activities/fraction_4card_groups.shtml">http://www.numbernut.com/advanced/activities/fraction_4card_groups.shtml</a>	Online activity	
Medium	<u>Simplifying fractions</u> <a href="http://primarygamesarena.com/Simplifying-fractions1400">http://primarygamesarena.com/Simplifying-fractions1400</a>	Online activity	
Medium	<u>Equivalent fractions</u> <a href="http://www.hbschool.com/activity/rubber_add_like_fractions/">http://www.hbschool.com/activity/rubber_add_like_fractions/</a>	Online activity	
Medium	<u>Equivalent fractions</u> <a href="http://www.mathplayground.com/Triplets/Triplets.html">http://www.mathplayground.com/Triplets/Triplets.html</a>	Online activity	
Medium	<u>Equivalent Fractions</u> <a href="http://pbskids.org/cyberchase/math-games/melvins-make-match/">http://pbskids.org/cyberchase/math-games/melvins-make-match/</a>	Online activity	
Hard	<u>Equivalent Fractions</u> FIO sandwich survey - number B2 L3/4 pge 11	Figure it out	
Medium	<u>Adding Fractions</u> <a href="http://funschool.kaboose.com/fun-blaster/back-to-school/games/game_action_fraction.html">http://funschool.kaboose.com/fun-blaster/back-to-school/games/game_action_fraction.html</a>	Online activity	
Hard	<u>Adding fractions</u> <a href="http://www.learningbox.com/fractions/index.html">http://www.learningbox.com/fractions/index.html</a>	Online activity	

	Decimals	Resource	Date
Easy	<u>Order decimals</u> NCM Orange level 3 book 2 Page 89	NCM book	
Medium	<u>Ordering decimals</u> Number book 2 level 3 page 20 Jumping along	NCM book	
Medium	<u>Ordering decimals</u> <a href="http://www.sheppardsoftware.com/mathgames/decimals/BalloonDecimalPatterns.swf">http://www.sheppardsoftware.com/mathgames/decimals/BalloonDecimalPatterns.swf</a>	Online activity	
Medium	<u>Adding and subtracting decimals</u> Number book 2 level 3 page 16 Target Time	Game	
Medium	<u>Adding and subtracting decimals</u> Number book 2 level 3 page 17 Dallying with decimals	NCM book	
Medium	<u>Adding decimals</u> <a href="http://media.arcademicskillbuilders.com/games/hungry-puppies/hungry-puppies.swf">http://media.arcademicskillbuilders.com/games/hungry-puppies/hungry-puppies.swf</a>	Online activity	
Easy	<u>Reading decimals</u> NCM green level 3 book 1 page 72-73	NCM book	
Medium	<u>Reading decimals to 3 decimal places</u> <a href="http://www.slideshare.net/ejboggs/dizzying-decimals">http://www.slideshare.net/ejboggs/dizzying-decimals</a>	PPT/ Workshop	
Medium	<u>Reading decimals to 3 decimal places</u> <a href="http://www.sheppardsoftware.com/mathgames/decimals/scooterQuestDecimal.swf">http://www.sheppardsoftware.com/mathgames/decimals/scooterQuestDecimal.swf</a>	Online activity	
Hard	<u>Story problems using decimals</u> FIO Number book 2 Level 3 /4 page 6-7 Spring Fever	Figure it out	
Hard	<u>Story problems using decimals</u> FIO Number book 2 Level 3 /4 page 9 Meal deal	Figure it out	
Medium	<u>Converting fractions to decimals</u> <a href="http://www.rms.rcs.k12.tn.us/Flash/Math/decimals_4.swf">http://www.rms.rcs.k12.tn.us/Flash/Math/decimals_4.swf</a>	Online activity	
Hard	<u>Converting decimals to fractions</u> FIO Number book 2 Level 3 /4 page 10 First to the draw	Figure it out	

	<b>Percentages</b>	<b>Resource</b>	<b>Date</b>
Easy	<u>Recognising Percentages</u> Read and write simple percentages Mathletics series E pg 28	Worksheet	
Easy	<u>Decimal Fractions - Percentages</u> Read and write simple percentages Mathletics series E pg 29	Worksheet	
Easy	<u>Decimal Fractions - Percentages</u> Read and write simple percentages Mathletics series G pg 17	Worksheet	
Medium	<u>Finding percentages and decimals</u> FIO Number book 2 Level 3 / 4 page 2-3 Flying home	Figure it out	
Medium	<u>Compare percentages to fractions</u> <a href="http://downloads.bbc.co.uk/skillswise/maths/ma17frac/game/ma17frac-game-any-fractions-met-hod/fractionvspercentage.swf">http://downloads.bbc.co.uk/skillswise/maths/ma17frac/game/ma17frac-game-any-fractions-met-hod/fractionvspercentage.swf</a>	Online activity	
Medium	<u>Finding simple percentages</u> Mathletics series E pg 30	Worksheet	
Medium	<u>Converting fractions, decimal numbers and percentages</u> Number Smart P34	Worksheet	
Medium	<u>Converting decimals to percentages</u> <a href="http://primarygamesarena.com/Decimals-to-percentages1391">http://primarygamesarena.com/Decimals-to-percentages1391</a>	Online activity	
Medium	<u>Finding percentages</u> <a href="http://www.bbc.co.uk/bitesize/ks2/maths/number/percentages/play/popup.shtml">http://www.bbc.co.uk/bitesize/ks2/maths/number/percentages/play/popup.shtml</a>	Online activity	

	<b>Ratios</b>	<b>Resource</b>	<b>Date</b>
Medium	<u>Compare proportions to ratios</u> FIO number Level 3 / 4 page 4-5 Stretch and grow	Figure it out	
Medium	<u>Simple and equivalent ratios</u> Number Smart P27	Worksheet	

### My Assessment rubric

	Needs Improvement (1pt)	Satisfactory (3pts)	Good (6pts)	Exceeds (10pts)
Self Managing	I was not able to organise my time	I was able to complete some tasks I organised	I completed most tasks and was able to organise my time	I was able to timetable myself to complete tasks on my own and with other people.
Analysis of test and Tasks	I was not able to choose suitable tasks for my level	I needed some help to understand what I needed to do	I was able to identify what I needed to learn	I was able to identify what I needed to learn and I was able to help others with their learning
Completion of tasks	I had difficulty completing reading time, converting time and timetable tasks	I was able to complete some reading time, converting time and timetable tasks correctly most times	I completed my task quota of reading time, converting time and timetable tasks correctly	I completed my task quota plus some extra tasks of reading time, converting time and timetable tasks correctly
Technological skills	I need help to work on computers and iPads	I can find most things and do most things on the computer and iPad	I can find what I need and use the applications	I can find what I need and use the applications and help others to do so

My total score was....	
What could I have done better?	
What do I need help with?	
What was my favourite task and why?	
What did I do the best in?	